## Claims:

1. A compound, or a solvate or a salt thereof, of formula (I):

$$\begin{array}{c} & & & \\ & & \\ & & & \\ & & & \\ & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & &$$

wherein, Ar is an optionally substituted aryl or a C<sub>5-7</sub> cycloalkdienyl group, or a C<sub>5-7</sub> cycloalkyl group or an optionally substituted single or fused ring aromatic heterocyclic group,;

R is  $C_{1-6}$  alkyl,  $C_{3-7}$  cycloalkyl,  $C_{3-7}$  cycloalkylalkyl, optionally substituted phenyl or phenyl  $C_{1-6}$  alkyl, an optionally substituted five-membered heteroaromatic ring comprising up to four heteroatoms selected from O and N, hydroxy  $C_{1-6}$  alkyl, amino  $C_{1-6}$  alkylaminoalkyl, di  $C_{1-6}$  alkylaminoalkyl,  $C_{1-6}$  acylaminoalkyl,  $C_{1-6}$  alkoxyalkyl,  $C_{1-6}$  alkylcarbonyl, carboxy,  $C_{1-6}$  alkoxycarbonyl,  $C_{1-6}$  alkoxycarbonyl,  $C_{1-6}$  alkylaminocarbonyl, di  $C_{1-6}$  alkylaminocarbonyl, halogeno  $C_{1-6}$  alkyl; or R is a group -(CH<sub>2</sub>)<sub>p</sub>- wherein p is 2 or 3 which group forms a ring with a carbon atom of Ar;

 $R_1$  represents hydrogen or up to four optional substituents selected from the list consisting of:  $C_{1-6}$  alkyl,  $C_{1-6}$  alkenyl, aryl,  $C_{1-6}$  alkoxy, hydroxy, halogen, nitro, cyano, carboxy, carboxamido, sulphonamido,  $C_{1-6}$  alkoxycarbonyl, trifluoromethyl, acyloxy, phthalimido, amino or mono- and di- $C_{1-6}$  alkylamino;

 $R_2$  represents a moiety  $-(CH_2)_n$ -NY<sub>1</sub>Y<sub>2</sub> wherein n is an integer in the range of from 1 to 9, Y<sub>1</sub> and Y<sub>2</sub> are independently selected from hydrogen; C<sub>1-6</sub>-alkyl; C<sub>1-6</sub> alkyl substituted with hydroxy, C<sub>1-6</sub> alkylamino or bis (C<sub>1-6</sub> alkyl) amino; C<sub>1-6</sub>-alkenyl; aryl or aryl-C<sub>1-6</sub>-alkyl or Y<sub>1</sub> and Y<sub>2</sub> together with the nitrogen atom to which they are attached represent an optionally substituted N-linked single or fused ring heterocyclic group;

 $R_3$  is branched or linear  $C_{1-6}$  alkyl,  $C_{3-7}$  cycloalkyl,  $C_{4-7}$  cycloalkylalkyl, optionally substituted aryl, or an optionally substituted single or fused ring aromatic heterocyclic group; and

R<sub>4</sub> represents hydrogen or C<sub>1-6</sub> alkyl.

2. A compound according to claim 1, wherein Ar represents unsubstituted phenyl.

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A compound according to claim 1 or claim 2, wherein R represents C<sub>1-6</sub> alkyl.

- 4. A compound according to any one of claims 1 to 3, wherein  $R_1$  represents hydrogen,  $C_{1-6}$  alkoxy.
- 5. A compound according to any one of claims 1 to 4, wherein R<sub>2</sub> is an N-linked single or fused heterocyclic groups, in which any single or fused ring is saturated or unsaturated and consists of 5- or 6- ring atoms, said ring atoms optionally comprising 1 or 2 additional heteroatoms selected from O or N and wherein one or two ring atoms are optionally substituted with one or two oxo groups or one or two of hydroxy, carboxy, C<sub>1-6</sub> alkoxycarbonyl, C<sub>1-6</sub> alkyl, C<sub>1-6</sub> hydroxyalkyl, aryl, arylalkyl, C<sub>3-7</sub> cycloalkyl, or a single or fused ring aromatic heterocyclic group, or the substituents on adjacent ring atoms form a carbocyclic ring; said aryl or aromatic heterocyclic groups being optionally substituted with one or two C<sub>1-6</sub> alkyl, alkoxy, hydroxy, halogen or halogenalkyl groups.
- 6. A compound according to any one of claims 1 to 5, wherein  $R_2$  is a moiety of formula (a), (b) or (c):

wherein  $T_1$  represents hydroxy, carboxy,  $C_{1-6}$  alkoxycarbonyl,  $C_{1-6}$  alkyl,  $C_{1-6}$  hydroxyalkyl, aryl, arylalkyl or  $C_{3-7}$  cycloalkyl.

- 7. A compound according to any one of claims 1 to 6, wherein  $R_2$  is a moiety a moiety of formula (a).
- 8. A compound according to any one of claims 1 to 7, wherein R<sub>3</sub> is a phenyl group.
- 9. A compound according to any one of claims 1 to 8, wherein R<sub>4</sub> is hydrogen.

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10. A compound according to any one of claims 1 to 9, wherein n is an integer 1, 2 or 3.

- 11. A compound according to claim 1, wherein Ar is phenyl, R is ethyl,  $R_1$  is hydrogen,  $R_3$  is phenyl,  $R_4$  is hydrogen and  $R_2$  is a moiety -(CH<sub>2</sub>)<sub>n</sub>-NY<sub>1</sub>Y<sub>2</sub> wherein n is 1, 2, 3 or 4 and NY<sub>1</sub>Y<sub>2</sub> is:
  - (i) a moiety of the above defined formula (a);
  - (ii) a moiety of the above defined formula (b); or
  - (iii) a moiety of the above defined formula (c).
- 12. A compound according to claim 1, being a compound of examples 1 to 43 herein; or a solvate or a salt thereof.
- 13. A process for the preparation of a compound of formula (I), or a salt thereof and/or a solvate thereof, which process comprises reacting a compound of formula (II) or an active derivative thereof:

wherein  $R'_1$ ,  $R'_2$  and  $R'_3$  are  $R_1$ ,  $R_2$  and  $R_3$  respectively as defined in relation to formula (I) or a group convertible to  $R_1$ ,  $R_2$  and  $R_3$  respectively; with a compound of formula (III):

$$\begin{array}{ccc}
H & Ar' \\
R_4' & & & \\
\end{array}$$
(III)

wherein R', R<sub>4</sub>' and Ar' are R, R<sub>4</sub> and Ar as defined for formula (I) or a group or atom convertible to R, R<sub>4</sub> and Ar respectively; to form a compound of formula (Ib):

$$R'_{1} = \begin{bmatrix} A'' \\ R'_{2} \\ R'_{3} \end{bmatrix}$$
(Ib)

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wherein Ar', R', R'<sub>1</sub>, R'<sub>2</sub>, R'<sub>3</sub> and R'<sub>4</sub> are as defined above, and thereafter carrying out one or more of the following optional steps:

- (i) converting any one of Ar', R', R'<sub>1</sub>, R'<sub>2</sub>, R'<sub>3</sub> and R'<sub>4</sub> to Ar, R, R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub> or R<sub>4</sub> respectively as required, to obtain a compound of formula (I);
- (ii) converting a compound of formula (I) into another compound of formula (I); and
- (iii) preparing a salt of the compound of formula (I) and/or a solvate thereof.
- 14. A pharmaceutical composition comprising a compound of formula (I) according to claim 1, or a pharmaceutically acceptable salt or solvate thereof, and a pharmaceutically acceptable carrier.
- 15. A compound of formula (I) according to claim 1, or a pharmaceutically acceptable salt or solvate thereof, for use as an active therapeutic substance.
- 16. A compound of formula (I) according to claim 1, or a pharmaceutically acceptable salt or solvate thereof, for the treatment or prophylaxis of the Primary and Secondary Conditions.
- 17. The use of a compound of formula (I) according to claim 1, or a pharmaceutically acceptable salt or solvate thereof, in the manufacture of a medicament for the treatment of the Primary and Secondary Conditions.
- 18. A method for the treatment and/or prophylaxis of the Primary and Secondary Conditions in mammals, particularly humans, which comprises administering to the mammal in need of such treatment and/or prophylaxis an effective, non-toxic pharmaceutically acceptable amount of a compound of formula (I) according to claim 1, or a pharmaceutically acceptable salt or solvate thereof.
- 19. A compound of formula (I) according to claim 1, for use as a diagnostic tool for assessing the degree to which neurokinin-3 and neurokinin-2 receptor activity (normal, overactivity or underactivity) is implicated in a patient's symptoms.